

CLAIMS –

I claim:

1. A traction apparatus comprising:
 - a. an elongate member;
 - b. a friction surface;
 - c. a second friction surface,
 - d. means for driving said friction surface;
 - e. means for applying pressure between said friction surface and said elongate member; and
 - f. said means for applying pressure spans said friction surface and said second friction surface, wherein said means for applying pressure is continuously supported.
2. The traction apparatus of claim 1 wherein said elongate member is a cable.
3. The traction apparatus of claim 1 wherein:
 - a. said friction surface is a chain, and
 - b. said second friction surface is a second chain.
4. The traction apparatus of claim 1 wherein said means for applying pressure is a plurality of rollers.
5. The traction apparatus of claim 1 wherein said means for driving includes a hollow center worm pinion, wherein said friction surfaces have synchronous motion.
6. The traction apparatus of claim 2 wherein said pressure means being travel limited allowing initial said cable feeding.
7. The traction apparatus of claim 3 wherein the links of said first chain and said second chain are staggered.
8. The traction apparatus of claim 4 wherein said plurality of rollers are supported with a structural collar.
9. The traction apparatus of claim 7 wherein said means for applying pressure is continuously supported against said cable by at least 10% of said link.
10. The traction apparatus of claim 7 further comprising means for pushing said link against said cable and allowing said link to rotate without interfering with said cable.

11. A method of applying traction, the method comprising:
 - a. providing an elongate member;
 - b. providing a friction surface;
 - c. providing a second friction surface;
 - d. driving said friction surface; and
 - e. spanning said friction surface and said second friction surface with means for pressure, resulting in continuous traction on said cable.
12. The method of claim 11, wherein said elongate member is a cable.
13. The method of claim 11, wherein:
 - a. said friction surface is a looping chain, and
 - b. said second friction surface is a second looping chain.
14. A container movement apparatus comprising:
 - a. an elongate member;
 - b. a container;
 - a. a plurality of friction surfaces;
 - b. said plurality of friction surfaces essentially surround said elongate member;
 - c. a motive power device;
 - d. a power linkage to transform motion from said motive power device to motion of said friction surface, resulting in said container movement; and
 - e. a plurality of rollers for applying pressure to said plurality of friction surfaces, wherein said plurality of rollers is continuously supported.
15. The apparatus of claim 14 wherein said elongate member has a fixed end.
16. The apparatus of claim 14 wherein said plurality of friction surfaces are staggered along the axis of said elongate member.
17. The apparatus of claim 14 wherein:
 - a. said motion of said motive power device is rotary, and
 - b. said motion of said plurality of friction surfaces is linear.
18. The apparatus of claim 14 further comprising a surface cleaner which contacts a friction surface.
19. The apparatus of claim 14 further comprising means to limit weather input to said power linkage.
20. The apparatus of claim 19 further comprising means for adding heat to said power linkage.